

DESIGN PANEL NO. 33 10-2-97

ROBUST CAP WEB INTERFACE REQUIREMENTS - Tom Beever

OVERVIEW

The Robust *CAP Web Interface (RCWI)* supports the Graphical User Interface (GUI) development for the CAP 104, 134, 135, 145, 113, 136, 142 application which run on the SDC. The GUI will provide access to the *Computer Application Programs (CAP)* via the *Business And Support Information Services (BASIS)* on the *Checkout and Launch Control System (CLCS)* or an office workstation running a Web browser. CAP 104, 134, 135, 145, 113, 136, and 142 are the initial CAP application to be converted, others will follow Thor. CAP 104, 134, 135 and 145 were developed and released as a pathfinder for Redstone. These CAPs will be enhanced for Thor while CAP 113, 136 and 142 will be new for Thor.

ACTIONS

ACTIONEE

DUE DATE

STATUS

No actions required

ISSUES

1. Address the issue of Web browser revision requirements for BASIS and office environment workstations using Data Analysis and Presentation programs.
Assigned to Tom Beever

*Approved

DESIGN PANEL NO. 33 10-2-97

ADVANCED DATA ANALYSIS TOOL (ADAT) REQUIREMENTS - Mike Dalton

OVERVIEW

The Advanced Data Analysis Tool (ADAT) will provide a platform independent Web based Data Analysis capability for plotting and analyzing data. The ADAT Graphical User Interface (GUI) will be available on the Checkout and Launch Control System (CLCS) Support Workstation or a NASA center office workstation running Web browser (e.g., Netscape's Navigator, Microsoft's Internet Explorer). The first release of the ADAT software will be new for Thor.

The ADAT Java language based applet(s) will provide users access to data retrieved via a Data Server on the Shuttle Data Center (SDC). The ADAT applet classes will reside on a SDC Web server and will be executed from a browser HTML instruction on the CLCS Support Workstation in the OCR or from an office workstation.

ACTIONS

ACTIONEE

DUE DATE

STATUS

No action required

*Approved

DESIGN PANEL NO. 33 10-2-97

SYSTEM INTEGRITY THREAD ASSESSMENT - Ken Clark

OVERVIEW

This thread provides the supporting System and Subsystem Integrity infrastructure as a foundation for implementing Redundancy Management in Atlas. The focus in Thor will be in defining, transmitting/logging, and displaying Subsystem health and performance information. The beginnings of Set configurability will be implemented (i.e., A System Configuration Table (SCT) will be defined and implemented). Modes of operation for all Subsystem will be designed and implemented for Thor. The top level design for Redundancy Management will be defined, but not implemented in Thor.

ACTIONS

ACTIONEE **DUE DATE** **STATUS**

No action required

*Approved